



(2.54 mm) .100"

SMH SERIES

# SMT HORIZONTAL SOCKET

**Mates With:**  
TSW, MTSW, MTLW,  
EW, ZW, TSS, ZSS, TSM

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SMH](http://www.samtec.com?SMH)

**Insulator Material:**

Black LCP

**Contact Material:**

Phosphor Bronze

**Plating:**

Au or Sn over  
50 μm (1.27 μm) Ni

**Operating Temp Range:**

-55 °C to +125 °C with Gold  
-55 °C to +105 °C with Tin

**Insertion Depth:**

(3.68 mm) .145" to  
(6.35 mm) .250"

**Max Cycles:**

100 with 10 μm (0.25 μm) Au

**RoHS Compliant:**

Yes

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0.15 mm) .006" max (02-24)  
(0.20 mm) .008" max (25-36)\*

\*(.004" stencil solution may be available; contact IPG@samtec.com)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Other platings

**Important Note:**  
SMH mated to TSM-DH/-SH not coplanar, SSM-DH/-SH recommended for coplanar applications.

**Note:**  
Some lengths, styles and options are non-standard, non-returnable.

<b>SMH</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>02</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OTHER OPTION</b>
				<b>-L</b> = 10 μm (0.25 μm) Gold on contact, Matte Tin on tail	<b>-S</b> = Single Row	<b>-“XX”</b> = Polarized Position
				<b>-G</b> = 20 μm (0.51 μm) Gold on contact, Gold flash on tail	<b>-D</b> = Double Row	<b>-TR</b> = Tape & Reel Packaging (02-29 positions only)
				<b>-T</b> = Matte Tin		<b>-FR</b> = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (02-29 positions only)



02 thru 36

